



PERIMETER CHANNEL PROFILE - NORTH SIDE SCALE: HORIZ 1"=50' VERT 1"=5'

Perimeter Channel Dimensions — North Side

Channel	Station	Bottom Width (ft) B	Side Slope Z	Channel Depth (ft) D	Bed Slope (ft/ft)	Lining
CP-1B	26+36 - 32+30	4	2:1	2.25	0.01	R-4 Riprap
CP-1C	32+30 - 38+00	4	2:1	2.25	0.01	R-4 Riprap

1. INFORMATION SHOWN HEREON REGARDING EXISTING FEATURES, GROUND TOPOGRAPHY AND PROPERTY/EASEMENT LINES BASED ON A GROUND SURVEY COMPLETED IN APRIL 2005 AND UPDATED THROUGH FEBRUARY 2007 BY VANDEMARK & LYNCH, INC., 4305 MILLER RD., PO BOX 2047, WILMINGTON, DE 19899, (302) 764-7635. SURVEY CONTROLS

ARE AS FOLLOWS:

EXISTING RAILROAD

====== Existing stormwater culvert — I I — I I — LIMIT OF LANDFILL LINER SYSTEM

EXISTING PERIMETER DRAINAGE

PROPOSED FINAL GRADE (MINOR CONTOUR)

PROPOSED FINAL GRADE

(MAJOR CONTOUR)

(APPROX. BOUNDARY OF LANDFILL)

EXISTING UNPAVED ACCESS ROAD

CHANNEL Q/FLOW DIRECTION

HORIZONTAL DATUM: PREMCOR DELAWARE CITY PLANT VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM 1929

BENCHMARK: PLANT CONTROL MONUMENT #208 LOCATED APPROXIMATELY 70' WEST OF WEST 6TH STREET AT THE CENTERLINE OF Q STREET EXTENDED AND 43.2' SOUTH OF A CHAIN LINK FENCE. ELEVATION = 65.35'

- 2. ALL WORK SHALL BE PERFORMED AND COMPLETED TO SATISFY THE REQUIREMENTS OF THE DNREC IWL OPERATING PERMIT, DATED FEBRUARY 26, 2004.
- 3. CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED BY VALERO, MOTIVA AND DNREC TO PERFORM THE WORK PRIOR TO COMMENCEMENT OF WORK.
- 4. THE PROPOSED CHANNEL CENTERLINE ELEVATION REPRESENTS THE TOP OF LINING ELEVATION.
- 5. SIZES, MATERIALS, AND FINAL GRADES OF CHANNEL CULVERTS WILL BE FINALIZED WITH CONSTRUCTION LEVEL DRAWINGS.

6. SEE SHEETS C-50 THROUGH C-52 FOR CROSS-SECTIONS.

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REVISIONS	WARNINGS	PLANS ISSUED BY:	DATE	DELAWARE CITY REFINERY	JOB NO. SCALE:		
NO. BY CHKD DATE DESCRIPTION	WARNINGS		DESIGNED BY: NBL 10/13/05		20240421 AS SHOWN		
φ Δ	0 0.5 1.0	URS	DRAWN BY: SMS 02/02/06	INDUSTRIAL WASTE LANDFILL CLOSURE	ORIGINAL DATE: LAST REVISED: REV		
	IF THE SEAL ON THIS PLAN IS NOT RED OR RAISED THEN THIS		CHECKED BY: PJD 10/30/07		09/16/05		
<u>6</u>	NOT RED OR RAISED THEN THIS PLAN MAY HAVE BEEN ALTERED IF THIS BAR DOES AND RECOPIED. ORIGINAL SEALS	335 COMMERCE DRIVE, STE 300	APPROVED BY: JAC 10/30/07		DRAWING NO.		
	NOT MEASURE 1" ARE STAMPED IN RED INK OR THEN DRAWING IS EMBOSSED WITH A CRIMPING SEAL.	FORT WASHINGTON, PA 19034 TEL: (215) 367–2500	CLIENT APPROVED BY:	PERIMETER CHANNEL PLAN & PROFILE	C 42		
の sms JAC 10/30/07 REVISED TO ADDRESS DNREC COMMENTS	NOT TO SCALE	FAX: (215) 367–1000		NODTH SIDE (SHEET 4 OF 4)	U-43		
A CMC LAC COMONOC CURMITTED WITH CLOCUPE PLAN FOR DADEC REVIEW				NOR I II SIDE (SIDEE I 4 OF 4)			